

Title (en)

HEAT-RESISTANT STRUCTURE OF NECK OF SYNTHETIC RESIN CONTAINER.

Title (de)

WÄRMEBESTÄNDIGER AUFBAU DES HALSES EINES KUNSTSTOFFBEHÄLTERS.

Title (fr)

STRUCTURE THERMO-RESISTANTE DE COL DE RECIPIENT EN RESINE SYNTHETIQUE.

Publication

EP 0303718 B1 19940406

Application

EP 88902220 A 19880226

Priority

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- JP 8800215 W 19880226
- JP 24747587 A 19870930

Abstract (en)

[origin: US5647495A] A container, which may be injection molded in a single mold, includes a main body and a hollow cylindrical neck. The neck extends along a main axis and has a proximate end connected to the main body and an open distal end. The neck includes a generally cylindrical inner layer formed of a first thermoplastic material, a generally cylindrical middle layer located radially outward of the inner layer and formed of a second thermoplastic material having a greater heat resistance than the first thermoplastic material, and a generally cylindrical outer layer located radially outward of the middle layer so that the middle layer is at least partially sandwiched between the inner and outer layers. The outer layer is formed of the first thermoplastic material. An open end section extends from and is integral with the middle layer, is formed with the second thermoplastic material, and extends radially along the entire radial extent of the open distal end of the neck so that the entire open distal end of the neck is formed by the open end section.

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US 5647495 A 19970715; AU 1367288 A 19880926; AU 605844 B2 19910124; DE 3888896 D1 19940511; DE 3888896 T2 19941020; EP 0303718 A1 19890222; EP 0303718 A4 19900514; EP 0303718 B1 19940406; JP 2577232 B2 19970129; JP S649145 A 19890112; KR 890700521 A 19890425; WO 8806555 A1 19880907

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US 75093091 A 19910828; AU 1367288 A 19880226; DE 3888896 T 19880226; EP 88902220 A 19880226; JP 24747587 A 19870930; JP 8800215 W 19880226; KR 880701348 A 19881025